From: Sarah Yates
To: Leidy, Robert; Moffatt, Brett
Cc: James Ashby; Jessica Gray
Subject: TD11 - Towill Description of Field Activities
Date: Tuesday, December 22, 2015 5:07:28 AM

Hi Rob,

As requested, Towill provided the following write-up explaining the goals of their field activities:

"Towill will conduct fieldwork to obtain land survey measurements needed to determine relationships between various geodetic and local survey datums at the site, specifically NAD83, NAVD88, NGVD29 and the Redwood City tide station 9414523. The work will involve finding and measuring a number of survey control benchmarks established by the federal government. The benchmarks should be within a maximum distance of 5 to 10 miles from the site. Towill will also obtain measurements of ground terrain features in the vicinity of the salt ponds, such as along Seaborne Blvd., which will be used to QC the existing airborne lidar data. If possible, Towill will also gather ground surface data at areas within the salt ponds themselves. This will provide a more relevant test of the quality and accuracy of the LiDAR data, as opposed to relying solely on data collected outside of the site. However, it is contingent on access permission and cooperation of the weather. Any wet weather will make the levee roads off-limits for several days, except by foot, which would impact production rates.

Towill plans to use GPS equipment, but may use conventional survey total station to remotely measure a few ground points within the salt pond structure. If necessary, Towill believes they can perform all of this work without gaining physical access to the site."

Thanks,

Sarah Yates

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